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RUEAIIA/CIA WASHINGTON DC  
RHMCSUU/FBI WASHINGTON DC 0000  
RUEKJCS/SECDEF WASHINGTON DC  
RUCPDOG/USDOC WASHINGTON DC 0000  
RUEPINS/HQ BICE INTEL WASHINGTON DC 0000

UNCLAS STATE 014505

SIPDIS  
FOR ECON SHANE M. PETERSEN

E.O. 12958: N/A  
TAGS: [ETTC](#) [FR](#) [GM](#) [KOMC](#) [NL](#) [SP](#)  
SUBJECT: BLUE LANTERN PRE-LICENSE END USE CHECK ON  
APPLICATION 050213112 AND 050213247 AND POST-SHIPMENT  
CHECK ON LICENSE 050141493 AND 050143433

11. This is an action message. See paragraphs 2-4.

12. The Department's Office of Defense Trade Controls Compliance (PM/DTCC) requests post assistance in conducting a pre-license and post-shipment check for the export of satellite components to Germany. Post is requested to complete this Blue Lantern check within 30 days. Lack of response to a Blue Lantern check will affect pending and future licenses involving parties to this license.

13. Reason for request: the commodity of these four DDTC licenses are radiation hardened components for use by the German company Jena-Optronik GmbH in the manufacture of its ASTRO 10 star trackers that will be installed on two satellites. All components are United States Munitions List (USML) items controlled under the International Traffic in Arms Regulations (ITAR). Jena-Optronik's Internet website provides descriptive literature about its various star trackers, and there it states that the ASTRO 10 is of "ITAR Parts free design". Although Jena-Optronik advertises its ASTRO 10 star trackers as ITAR-free, these licenses are evidence that some ASTRO 10 star trackers do have ITAR-controlled content. This apparent discrepancy raises issues about export controls and possible ITAR violations. The Department therefore wishes to conduct a Blue Lantern check in order to query Jena-Optronik about its star trackers.

14. ACTION: Please contact the Foreign End User/Foreign Consignee, Jena-Optronik GmbH, and make inquiries regarding the content of its star trackers and the sale of these items.

The following questions are provided as guidance:

--Jena-Optronik's ASTRO 10 star trackers are described on its website as "ITAR Parts free design". Why then is Jena-Optronik requesting ITAR-controlled components for ASTRO 10 star trackers?

--Do some or all ASTRO 10 star trackers contain ITAR-controlled parts?

--What percentage of the ASTRO 10 star trackers manufactured by Jena-Optronik contain ITAR-controlled parts?

--Why do some ASTRO 10 star trackers contain ITAR-controlled components and others do not?

--Who specifically requested and decided that the ASTRO 10 star trackers for use on these two satellites should contain ITAR-controlled components?

--Has Jena-Optronik ever used ITAR-controlled parts on any of its star trackers that were subsequently advertised, labeled, or sold as being "ITAR-free"?

--Has Jena-Optronik sold any star tracker with U.S.-origin ITAR-controlled content to an end-user not authorized by DDTC license?

--Has Jena-Optronik sold any of its star trackers to China or Iran, either through direct sales or via intermediaries? If so, please provide details on how many and what type of star trackers have been sold.

--Has Jena-Optronik sold any star trackers to China or Iran which contained any U.S.-origin components, whether ITAR-controlled or not? Please provide details about all U.S.-origin parts used in any star trackers that Jena-Optronik has sold to China or Iran, including part description, stock number, source, and U.S. company of manufacture.

--Has Jena-Optronik used all of the ITAR-controlled components it has ever received via DDTC licenses, or does it currently maintain a stockpile of unused parts? Request that Jena-Optronik provide an accounting of all holdings it has of unused ITAR-controlled components in storage, including the disposition of any parts that were defective or destroyed. Jena-Optronik should identify the DDTC licenses through which it obtained all of the ITAR-controlled parts it currently has stockpiled. Also ask Jena-Optronik if it has ever re-transferred or re-exported any U.S.-origin ITAR-controlled components without DDTC authorization.

--Finally, ask Jena-Optronik if it understands the restrictions on U.S.-origin ITAR-controlled commodities, particularly the prohibition against re-transfers or re-exports without express USG authorization.

END ACTION.

#### 15. License Information:

A) DDTC Case Number 050213112

##### QUANTITY/COMMODITY:

30 Integrated Circuit, Static Random Access Memory,  
Radiation Hardened, HX6228TQRC (128K x 8), 5962R9853701QXC

LICENSE VALUE: USD 75,000.00

##### APPLICANT/SOURCE:

Minco Technology Labs Inc.  
1805 Rutherford Lane  
Austin, Texas 78754 USA

##### COMMODITY MANUFACTURER:

Honeywell Defense and Space Electronics  
1200 State Highway 55  
Plymouth, Minnesota 55441 USA

##### FOREIGN INTERMEDIATE CONSIGNEES:

German Space Agency  
DLR Deutsches Zentrum fur Luft-und Raumfahrt e.V.  
Linder Hohe, D-51147 Koln  
GERMANY

German Research Center for Geosciences  
GFZ GeoForschungsZentrum  
Telegrafenberg, D-14473 Potsdam  
GERMANY

Interspace  
2 Rond Pint Guillaumant

F-31029 Toulouse  
FRANCE

Kayser-Threde GmbH  
Wolfratshauser Strasse 48  
D-81379 Munich  
GERMANY

ESA/ESTEC  
European Space Agency  
Keplerlaan 1  
NL-2200 AG Noordwijk  
NETHERLANDS

Orbitale Hochtechnologie Bremen-System AG (OHB)  
Universitätsallee 27-29  
D-28359 Bremen  
GERMANY

IABG  
Industrieanlagen-Betriebsgesellschaft mbH  
Einsteinstr. 20  
D-85521 Ottobrunn  
GERMANY

FOREIGN CONSIGNEE:

Tesat-Spacecom GmbH & Co.KG  
Gerberstrasse 49  
D-71501 Backnang  
GERMANY

FOREIGN END USER:

Jena-Optronik GmbH  
Prussingstrasse 41  
D-07745 Jena  
GERMANY  
Tel: 49 3641 200-110

STATEMENT OF PURPOSE:

Parts will be integrated into ASTRO 10. The ASTRO 10 is an autonomous star tracker manufactured and assembled by Jena-Optronik GmbH. It is used to control a satellite's attitude in orbit by utilization of astronomic star patterns as reference system. Satellite program is EnMAP (Environmental Mapping and Analysis Program), a German hyperspectral civil satellite mission for investigating a wide range of ecosystem parameters.

16. Additional documentation submitted in support of license application:

I) Tesat-Spacecom purchase order number U10-4500436098, dated 02.12.2009.

II) Tesat-Spacecom Generic Accountability Plan for Project Astro 10 EnMAP, PO U10-4500436098, P/N 5962R9853701QXC HX6228, dated 2010 FEB 03.

B) DDTC Case Number 050213247

QUANTITY/COMMODITY:

03 Monolithic Analog-to-Digital (A/D) Converter,  
Radiation Hardened, 14-bit, 10 MSPS, 9240LP

LICENSE VALUE: USD 9,363.00

APPLICANT/SOURCE:

Maxwell Technologies Inc.  
9244 Balboa Avenue  
San Diego, California 92123 USA

FOREIGN CONSIGNEES:

Tesat-Spacecom GmbH & Co.KG  
Gerberstrasse 49  
D-71501 Backnang  
GERMANY

Jena-Optronik GmbH  
Prussingstrasse 41  
D-07745 Jena  
GERMANY  
Tel: 49 3641 200-110

German Research Center for Geosciences  
GFZ GeoForschungsZentrum  
Telegrafenberg, D-14473 Potsdam  
GERMANY

Kayser-Threde GmbH  
Wolfratshauser Strasse 48  
D-81379 Munich  
GERMANY

Orbitale Hochtechnologie Bremen-System AG (OHB)  
Universitätsallee 27-29  
D-28359 Bremen  
GERMANY

IABG  
Industrieanlagen-Betriebsgesellschaft mbH  
Einsteinstr. 20  
D-85521 Ottobrunn  
GERMANY

Interspace  
2 Rond Pint Guillaumant  
F-31029 Toulouse  
FRANCE

ESA/ESTEC  
European Space Agency  
Keplerlaan 1  
NL-2200 AG Noordwijk  
NETHERLANDS

FOREIGN END USER:

German Space Agency  
DLR Deutsches Zentrum für Luft-und Raumfahrt e.V.  
Linder Höhe, D-51147 Köln  
GERMANY

STATEMENT OF PURPOSE:

Parts will be integrated into ASTRO 10. The ASTRO 10 is an autonomous star tracker manufactured and assembled by Jena-Optronik GmbH. It is used to control a satellite's attitude in orbit by utilization of astronomic star patterns as reference system. Satellite program is EnMAP (Environmental Mapping and Analysis Program), a German hyperspectral civil satellite mission for investigating a wide range of ecosystem parameters.

17. Additional documentation submitted in support of license application:

I) Tesat-Spacecom purchase order number U11-4500436235, dated 09.12.2009.

II) Jena-Optronik End-Use/End-User Statement, dated 27.01.2010, signed by Thomas Keil, JF-P/EEE-Parts Manager.

III) OHB-System AG EnMAP Customer Certification Letter, dated 19.01.2010, stating that Jena-Optronik has been awarded a contract (EN-OHB-LTR-010, OHB PO No. 27826) for the supply of three ASTRO 10 Star Tracker flight models.

C) DDTC Case Number 050141493

QUANTITY/COMMODITY:

40 Integrated Circuit, Static Random Access Memory,  
Radiation Hardened, HX6228TQHC (128K x 8), 5962H9853701QXC

LICENSE VALUE: USD 96,000.00

APPLICANT/SOURCE:

Minco Technology Labs Inc.  
1805 Rutherford Lane  
Austin, Texas 78754 USA

COMMODITY MANUFACTURER:

Honeywell Defense and Space Electronics  
1200 State Highway 55  
Plymouth, Minnesota 55441 USA

FOREIGN INTERMEDIATE CONSIGNEES:

EADS CASA Espacio  
Avda. Aragon 404  
28022 Madrid  
SPAIN

Astrium GmbH  
An der Bundesstrasse  
D-88090 Immenstaad  
GERMANY

FOREIGN CONSIGNEE:

Tesat-Spacecom GmbH & Co.KG  
Gerberstrasse 49  
D-71501 Backnang  
GERMANY

FOREIGN END USER:

Jena-Optronik GmbH  
Prussingstrasse 41  
D-07745 Jena  
GERMANY  
Tel: 49 3641 200-110

STATEMENT OF PURPOSE:

Parts will be integrated into ASTRO 10. The ASTRO 10 is an autonomous star tracker manufactured and assembled by Jena-Optronik GmbH. It is used to control a satellite's attitude in orbit by utilization of astronomic star patterns as reference system. Satellite program is SEOSAR/PAZ. SEOSAR/PAZ is an X-Band Synthetic Aperture Radar satellite for Earth observation, part of the European network GMES, for coordination of climatic, environmental data and security against catastrophes.

18. Additional documentation submitted in support of license application:

I) Tesat-Spacecom purchase order number U03-4500429519, dated 21.10.2008.

II) Tesat-Spacecom End User Assurance Control Plan and Related Accountability Plan for the ASTRO 10 for SEOSAR/PAZ Project, dated 17.12.2008, signed by Mr. Ratzsch, President & CEO, Jena-Optronik.

D) DDTC Case Number 050143433

QUANTITY/COMMODITY:

08 Monolithic Analog-to-Digital (A/D) Converter,  
Radiation Hardened, 14-bit, 10 MSPS, 9240LP

LICENSE VALUE: USD 34,072.00

APPLICANT/SOURCE:

Maxwell Technologies Inc.  
9244 Balboa Avenue  
San Diego, California 92123 USA

FOREIGN CONSIGNEES:

Jena-Optronik GmbH  
Prussingstrasse 41  
D-07745 Jena  
GERMANY  
Tel: 49 3641 200-110

Astrium GmbH  
An der Bundesstrasse  
D-88090 Immenstaad  
GERMANY

Tesat-Spacecom GmbH & Co.KG  
Gerberstrasse 49  
D-71501 Backnang  
GERMANY

FOREIGN END USER:

EADS CASA Espacio  
Avda. Aragon 404  
28022 Madrid  
SPAIN

STATEMENT OF PURPOSE:

Parts will be integrated into ASTRO 10. The ASTRO 10 is an autonomous star tracker manufactured and assembled by Jena-Optronik GmbH. It is used to control a satellite's attitude in orbit by utilization of astronomic star patterns as reference system. Satellite program is SEOSAR/PAZ.

19. Additional documentation submitted in support of license application:

I) Tesat-Spacecom purchase order number U03-4500429791, dated 07.11.2008.

II) Tesat-Spacecom End User Statement, dated 19.01.09, signed for Alexander Groba, Head of Customs and Export Control

10. Please slug reply for PM/DTCC - BLUE LANTERN COORDINATOR and include the words "Blue Lantern" and the DDTC Case Numbers in the subject line. POC on this case is Peter Sabatini, PM/DTCC, phone: 202-663-2819; email: sabatinipj@state.gov, sabinipj@state.sgov.gov, psabatini@state.ic.gov. The most current Blue Lantern Guide Book is available at <http://fsi.state.gov/fsi/spas/default.asp?ID=1588>. Department thanks Post for its assistance in this matter.  
CLINTON